



OFFICINE MARIO DORIN SINCE 1918

DORIN[®]
INNOVATION



CD 系列

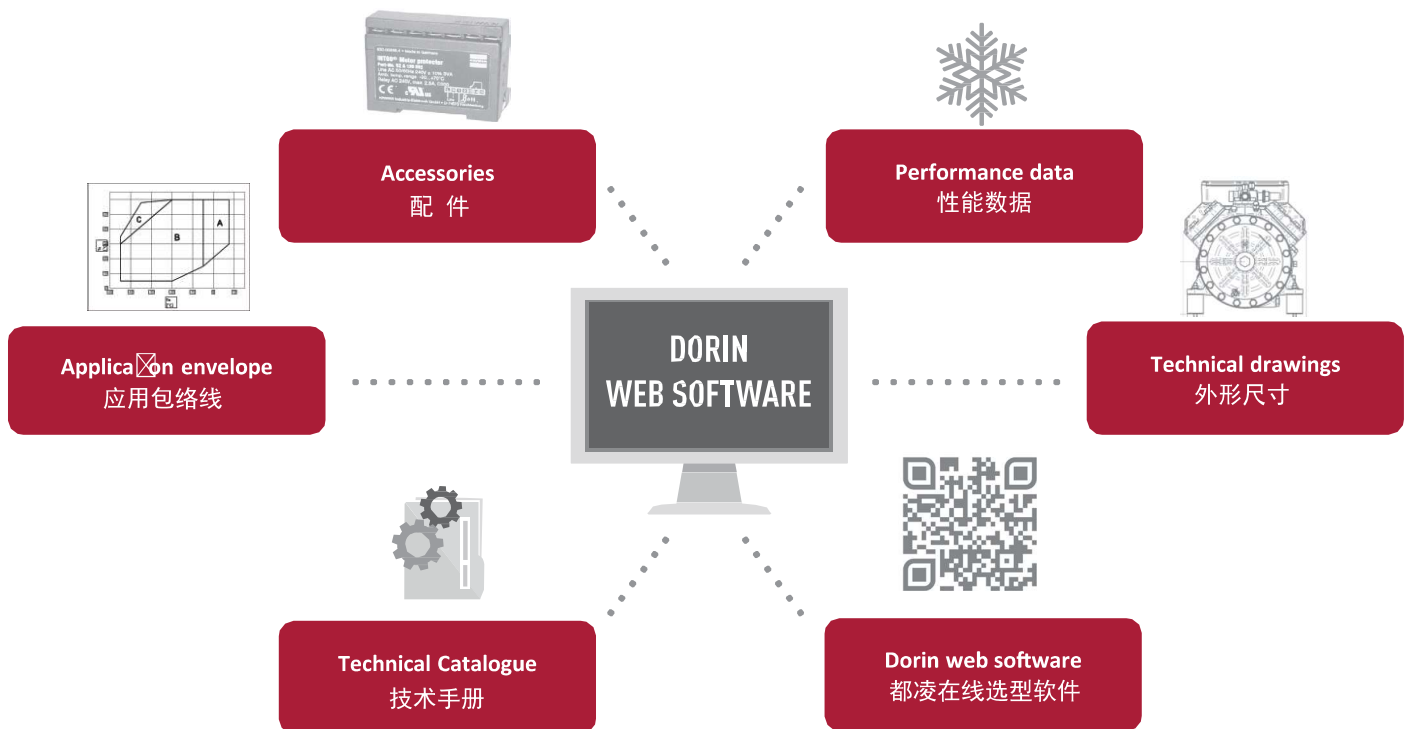
SEMI-HERMETIC MOTOR COMPRESSORS
TRANSCRITICAL CO₂ APPLICATION - 50/60 Hz

二氧化碳跨临界压缩机系列
跨临界CO₂应用50/60Hz



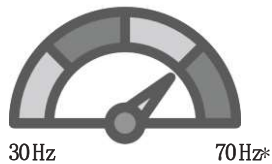
DORIN Web Software

都凌 (在线) 选型软件



Frequency Range

变频范围



* Maximum operating frequency to be checked in the dedicated technical bulletin

* 最大运行频率须参阅专门的技术手册

Factory certifications

都凌工厂认证

ISO 45001:2018

ISO 9001:2015

Compressor certifications

都凌压缩机认证



Compressor design pressure

压缩机设计压力

100 bar

Standstill pressure
静止压力

150 bar

Max discharge pressure
最大排气压力

CD SERIES Features

CD系列产品特点

**Silent operations and low vibrations**

运行安静流畅，振动水平低

Crankshafts balanced individually and excellent fluid dynamics studies are our strengths

曲轴能够独立平衡运转，这得益于我们出色的流体动力学研究

**All models VFD compatible**

所有型号可变频运行

Bore / Stroke values and generous motor sizings allow wide frequency ranges

电机、缸径、行程的优化配比使之可以实现宽频运行

**Highest levels of efficiency**

优异的运行效率

Using latest coating technologies for reducing frictions and improving lubrication

采用最新的涂层技术来减少摩擦和改善润滑

**Peculiar oil containment system for extra low oil carry-over for models with oil pump**

专利认证的油气分离系统，可显著降低带油泵型号的带油率

Higher system efficiency, less oil injections from the oil-separator for higher oil viscosity in the compressor sump

更高的系统效率，油分离器中的润滑油量大幅减少，压缩机中油的粘度得以提高

**2 years standard warranty**

两年标准质保

**All compressors suitable for transcritical CO₂**

所有压缩机适用于跨临界CO₂应用

**Salt spray resistance test, certified for 1000 hours (NSS test in accordance with UNI EN ISO 4628, parts 2,3,8- Assessment method : UNI EN ISO 9227**

盐雾耐受性测试，已通过1000小时认证（根据UNI EN ISO 4628第2、3、8部分的评估方法进行NSS测试）：UNI EN ISO 9227

**Compact design and reduced gross weight**

轻量化和紧凑地设计

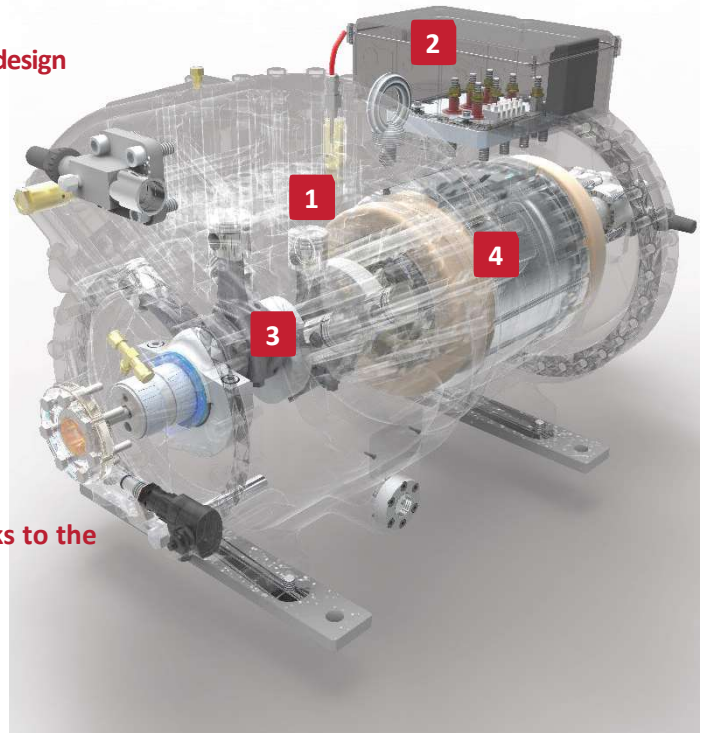
Optimized displacement values for crankcase size

根据曲轴箱大小对应的最优排量

CD Series Technical Features

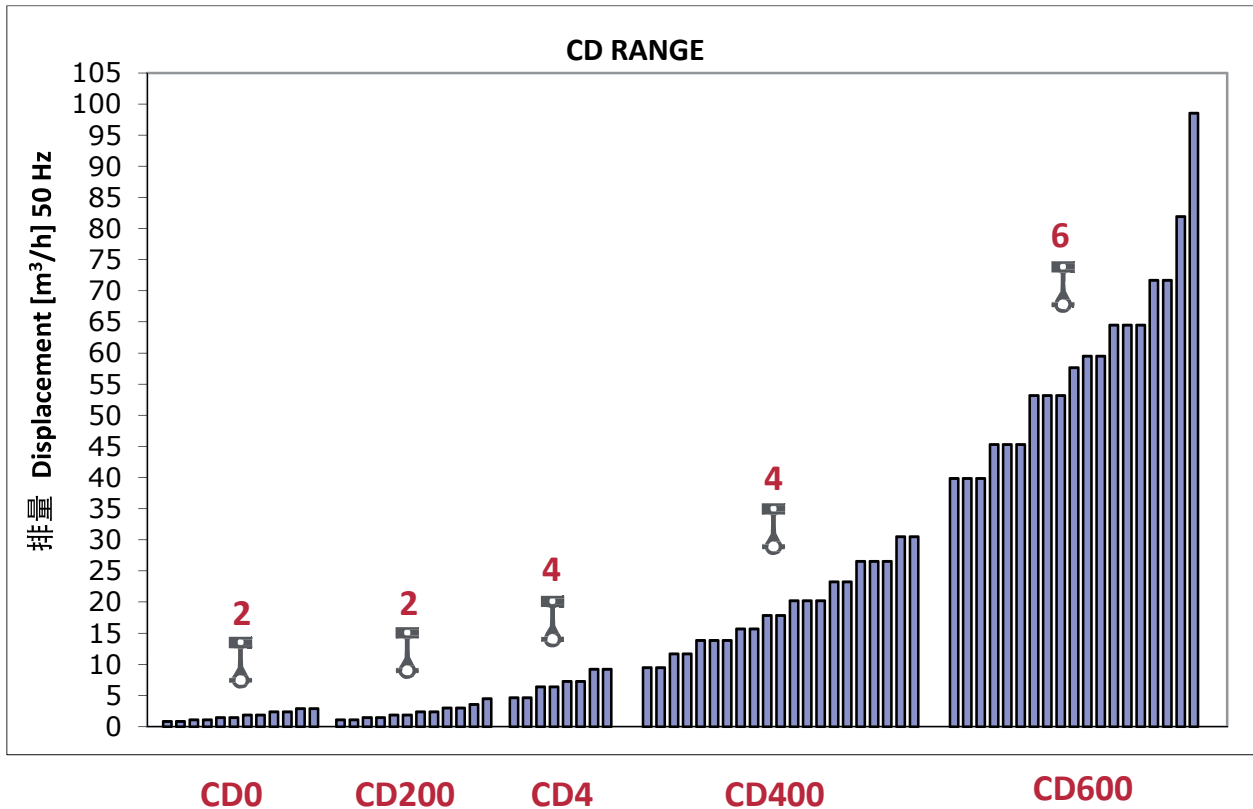
CD系列技术特点

- 1** Extra reliability and efficiency of optimized valve plate design
 最优化的阀板设计保证了可靠性和效率
- 2** IP65 junction box
 防护等级IP65的电气接线盒
- 3** Enhanced lubrication secured by automotive design
 汽车工业设计，保证更好地润滑
- 4** Proven reliability of the LSPM electric motor thanks to the unique resistance to high temperatures
 由于独特的耐高温设计，电机的可靠性得到了保证



CD Series – Displacement 50 Hz

CD系列-排量50Hz



THE WIDEST CO₂ COMPRESSOR RANGE IN THE MARKET
 FROM 0,86 m³/h UP TO 99 m³/h @ 50 Hz
 CO₂ SINGLE STAGE TRANSCRITICAL COMPRESSORS
 市面上最广的跨临界CO₂压缩机排量，从0.86m³/h-99m³/h@50Hz

Model name for CD0 range

CD0 型号命名

CD	0	15	1.1	M
SERIES 系列	0 => 2 NUMBER OF CYLINDERS 缸数	HP (@ 50 Hz) * 10 匹数	DISPLACEMENT VOLUME 排量	H HIGH-MEDIUM EVAPORATING TEMPERATURE 高中蒸发温度
				M MEDIUM-LOW EVAPORATING TEMPERATURE 中低蒸发温度

Model name for CD200-CD400 range

CD200-CD400 型号命名

CD	3501	H
SERIES 系列	HP (@ 50 Hz)* 100 匹数	H HIGH-MEDIUM EVAPORATING TEMPERATURE 高中蒸发温度
		M MEDIUM-LOW EVAPORATING TEMPERATURE 中低蒸发温度
		B LOW EVAPORATING TEMPERATURE 低蒸发温度

Model name for CD4-CD600 range

CD4-CD600 型号命名

CD	6	901	59	M
SERIES 系列	NUMBER OF CYLINDERS 缸数	HP (@ 50 Hz) * 10 匹数	DISPLACEMENT VOLUME 排量	H HIGH-MEDIUM EVAPORATING TEMPERATURE 高中蒸发温度
				M MEDIUM-LOW EVAPORATING TEMPERATURE 中低蒸发温度
				B LOW EVAPORATING TEMPERATURE 低蒸发温度

Applications CD SERIES

CD系列的应用



Industrial Refrigeration
工业制冷



Railway HVAC
轨道交通



Logistic Warehouse
物流仓储



Heat Pumps
热泵应用



Commercial Refrigeration
商超制冷



Bus A/C
公交空调



Refrigerated Transport
冷链运输



Stationary HVAC
暖通空调

Standard And Optional Accessories

标配件和选配件



Motor Protection (MT)
电机保护

Compressors are equipped with a PTC probe installed on every motor winding, combined with electronic protection module (REL)

压缩机的每个电机绕组都装有一个PTC探头，与电机保护模块合并。

● STANDARD | ○ OPTIONAL

CD0

CD200

MODEL

CD4

CD400

CD600

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Electronic Protection Module (REL)
电子保护模块

Keeping under constant control winding temperature and discharge temperature) (BT007)

确保电机绕组温度和压缩机排气温度在允许温度内。
(参考技术手册BT007)

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Crankcase Heater (CH)
曲轴箱加热器

The heater is 100 W for CD200 and CD4 included and 200 W for CD400 and CD600 series (BT001)

CD200和CD4系列使用100W曲轴箱加热器，
CD400和CD600系列使用200W曲轴箱加热器



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Self-regulating crankcase heater (TCH)
自适应曲轴箱加热器

Increasing the energy efficiency and reducing the warm-up time. The thermal regulated crankcase heater reduces the output power once the set temperature is reached. Depending on the working conditions there is up to 30% energy saving compared to the standard heater (BT001)

与传统加热器相比，自适应曲轴箱加热器可提高能效并减少预热时间。一旦达到设定温度，自适应曲轴箱加热器会降低输出功率。节能情况视不同工况而变，与传统的曲轴箱加热器相比，最多可节省30%的耗能。(参见技术手册BT001)



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Maximum discharge temperature sensor (TMAX) 最大排气温度传感器

A thermistor probe is monitoring the discharge temperature to be kept below 160°C (BT007)

PTC探头监控压缩机排气温度，确保其保持在160°C以下
(参考技术手册BT007)



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Standard And Optional Accessories

标配件和选配件



Oil differential pressure switch (ODPS)
电子油压差开关 (ODPS)

Compressors with oil pump are equipped with an oil differential pressure switch set to 0,85 bar which must be connected in series with all other compressors protections (see BT007)

带油泵的压缩机配备了一个油压差开关，设定在0.85 bar的压差。油压差开关必须与热敏电阻模块和系统报警控制回路中预设的所有其他保护装置串联连接（BT007）



Oil charge
冷冻油充注

All compressors are charged in the factory with POE or PAG oil before the mechanical and electrical running tests

标配POE或PAG冷冻油



Oil pump forced lubrication (FL)
油泵润滑

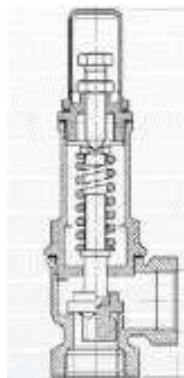
CD400 range- optional for models
CD1500M/CD2000H/CD1200B/CD2000M/CD2400H/CD1500B/CD2500H

Not available for CD1200M/CD1400H
Standard for other models.

CD400系列以下型号的油泵为选配件：CD1500M/CD2000H/CD1200B/CD2000M/CD2400H/CD1500B/CD2500H

以下型号不能使用油泵：CD1200M/CD1400H

CD400系列其它型号油泵标配



LP and HP valve (LPSV-HPSV)
高压和低压安全阀

● STANDARD ○ OPTIONAL	MODEL				
	CD0	CD200	CD4	CD400	CD600
Oil differential pressure switch (ODPS) 电子油压差开关 (ODPS)	-	-	-	○ ●	●
Oil charge 冷冻油充注	●	●	●	●	●
Oil pump forced lubrication (FL) 油泵润滑	-	-	-	○ ●	●
LP and HP valve (LPSV-HPSV) 高压和低压安全阀	●	●	●	●	●

CD SERIES

Oil Charge / Service Valves / Net Weight

油量/阀门/净重

RANGE 系列	MODEL 型号	CYLINDERS 缸数	OIL CHARGE 油量	SUCTION 吸气阀		DISCHARGE 排气阀		NET WEIGHT 净重
		[-]	[LITERS]	Socket welding [mm]	Butt welding [mm]	Socket welding [mm]	Butt welding [mm]	[kg]
CD0	CD0 08-0.8M	2	0,8	10	14	10	14	53
	CD0 10-0.8H	2	0,8	10	14	10	14	53
	CD0 15-1.1M	2	0,8	10	14	10	14	55
	CD0 18-1.1H	2	0,8	10	14	10	14	56
	CD0 18-1.5M	2	0,8	10	14	10	14	56
	CD0 30-1.5H	2	0,8	10	14	10	14	57
	CD0 30-1.9M	2	0,8	16	22	10	14	57
	CD0 35-1.9H	2	0,8	16	22	10	14	58
	CD0 35-2.4M	2	0,8	16	22	10	14	58
	CD0 36-2.4H	2	0,8	16	22	10	14	60
CD0 36-3.0M	2	0,8	16	22	10	14	60	
CD0 38-3.0H	2	0,8	16	22	10	14	63	
CD200	CD 150M	2	1,3	10	14	10	14	71
	CD 180H	2	1,3	10	14	10	14	72
	CD 180M	2	1,3	10	14	10	14	73
	CD 300H	2	1,3	10	14	10	14	73
	CD 300M	2	1,3	10	14	10	14	73
	CD 350H	2	1,3	10	14	10	14	76
	CD 350M	2	1,3	10	14	10	14	76
	CD 360H	2	1,3	10	14	10	14	78
	CD 360M	2	1,3	10	14	10	14	77
	CD 380H	2	1,3	10	14	10	14	77
CD4	CD4 55-4,7M	4	1,7	22	28	18	24	117
	CD4 75-4,7H	4	1,7	22	28	18	24	117
	CD4 75-6,4M	4	1,7	22	28	18	24	117
	CD4 90-6,4H	4	1,7	22	28	18	24	117
	CD4 75-7,3M	4	1,7	22	28	18	24	120
	CD4 90-7,3H	4	1,7	22	28	18	24	120
	CD4 90-9,2M	4	1,7	22	28	18	24	119
	CD4 120-9,2H	4	1,7	22	28	18	24	121
	CD4 55-9,2B	4	1,7	22	28	18	24	105
	CD4 55-10B	4	1,7	22	28	18	24	105
	CD4 75-12B	4	1,7	28	35	18	24	106
	CD4 90-15B	4	1,7	28	35	18	24	109
	CD4 120-18B	4	1,7	28	35	18	24	110
	CD400	CD 1200M	4	2,5	22	28	22	28
CD 1400H		4	2,5	22	28	22	28	164
CD 1500M		4	2,5	22	28	22	28	164
CD 2000H		4	2,5	22	28	22	28	164
CD 1200B		4	2,5	22	28	22	28	164
CD 2000M		4	2,5	22	28	22	28	164
CD 2400H		4	2,5	22	28	22	28	168
CD 1500B		4	2,5	22	28	22	28	164
CD 2500H		4	2,5	22	28	22	28	168
CD 2500M		4	2,5	22	28	22	28	172
CD 3000H		4	2,5	22	28	22	28	178
CD 2001B		4	2,5	22	28	22	28	168
CD 3001M		4	2,5	22	28	22	28	178
CD 3401H		4	2,5	22	28	22	28	187
CD 2501B		4	2,5	22	28	22	28	172
CD 3501H		4	2,5	22	28	22	28	187
CD 3001B		4	2,5	22	28	22	28	178
CD 3501M		4	2,5	22	28	22	28	187
CD 4501H		4	2,5	22	28	22	28	199
CD 3501B		4	2,5	28	35	22	28	199
CD 5001M	4	2,5	28	35	22	28	202	
CD 4001B	4	2,5	28	35	22	28	199	
CD 5201M	4	2,5	28	35	22	28	202	
CD600	CD6 501-40B	6	4,8	42s	-	28s	35	415
	CD6 601-40M	6	4,8	42s	-	28s	35	425
	CD6 701-40H	6	4,8	42s	-	28s	35	435
	CD6 501-45B	6	4,8	42s	-	28s	35	412
	CD6 701-45M	6	4,8	42s	-	28s	35	439
	CD6 801-45H	6	4,8	42s	-	28s	35	445
	CD6 501-53B	6	4,8	42s	-	28s	35	413
	CD6 801-53M	6	4,8	42s	-	28s	35	445
	CD6 901-53H	6	4,8	42s	-	28s	35	452
	CD6 1200-58H	6	4,8	42s	-	28s	35	502
	CD6 601-59B	6	4,8	42s	-	28s	35	428
	CD6 901-59M	6	4,8	42s	-	28s	35	452
	CD6 701-65B	6	4,8	54s	-	35s	-	439
	CD6 1200-65M	6	4,8	54s	-	35s	-	502
	CD6 1400-65H	6	4,8	54s	-	35s	-	530
	CD6 1400-72M	6	4,8	54s	-	35s	-	530
	CD6 1600-72H	6	4,8	54s	-	35s	-	562
	CD6 801-82B	6	4,8	54s	-	35s	-	445
	CD6 901-99B	6	4,8	54s	-	42s	-	452

CD2S SERIES

Oil Charge / Service Valves / Net Weight

油量/阀门/净重

RANGE 系列	MODEL 型号	DISPLACEMENT 排量		CYLINDERS 缸数	OIL CHARGE 油量	SUCTION 吸气阀		DISCHARGE 排气阀		NET WEIGHT 净重
		50 Hz [m³/h] LP+HP	60 Hz [m³/h] LP+HP			[LITERS]	Socket welding [mm]	Butt welding [mm]	Socket welding [mm]	
CD2S200	CD2S300	1,45 + 0,57	1,74 + 0,68	2 + 1	1,3	10	14	10	14	75
	CD2S350	1,82 + 0,57	2,18 + 0,68	2 + 1	1,3	10	14	10	14	78
	CD2S360	2,36 + 0,73	2,83 + 0,88	2 + 1	1,3	10	14	10	14	80
CD2S4	CD2S550	4,60 + 3,20	5,53 + 3,84	2 + 2	1,7	22	28	18	24	112
	CD2S750	6,27 + 3,64	7,52 + 4,37	2 + 2	1,7	22	28	18	24	114
	CD2S900	7,52 + 4,60	9,02 + 5,53	2 + 2	1,7	22	28	18	24	116
CD2S400	CD2S1200	5,99 + 5,06	7,19 + 6,07	2 + 2	2,5	22	28	22	28	164
	CD2S1500	7,71 + 5,06	9,25 + 6,07	2 + 2	2,5	22	28	22	28	167
	CD2S2000	8,92 + 5,85	10,70 + 7,02	2 + 2	2,5	22	28	22	28	171
	CD2S2500	11,65 + 6,92	13,98 + 8,30	2 + 2	2,5	22	28	22	28	175
	CD2S3000	13,22 + 7,86	15,86 + 9,43	2 + 2	2,5	22	28	22	28	182
	CD2S3500	15,11 + 8,98	18,13 + 10,78	2 + 2	2,5	22	28	22	28	191

Electric Motor Data

电子运行数据

RANGE 系列	MODEL 型号	MAX OPERATING CURRENT 最大工作电流 V / ph / Hz [A]										LOCKED ROTOR CURRENT 锁定转子电流 V / ph / Hz [A]								MAX ABSORBED POWER 最大输入功率				
		220-240 / 3 / 50 D	265-290 / 3 / 60 D	380-420 / 3 / 50 Y	440-480 / 3 / 60 Y	208-230 / 3 / 60 D	360-400 / 3 / 60 Y	380-420 / 3 / 50 PWS	440-480 / 3 / 60 PWS	220-240 / 3 / 50 PWS	208-230 / 3 / 60 PWS	360-400 / 3 / 60 PWS	475-525 / 3 / 50 PWS	570-630 / 3 / 60 PWS	220-240 / 3 / 50 D	360-400 / 3 / 60 Y	380-420 / 3 / 50 PWS*	440-480 / 3 / 60 PWS*	220-240 / 3 / 50 PWS*	208-230 / 3 / 60 PWS*	360-400 / 3 / 60 PWS*	475-525 / 3 / 50 PWS*	570-630 / 3 / 60 PWS*	50 Hz [kW]
CD2S200	CD2S300	10,4	6,0	12,5	7,2	-	-	-	-	4,8	42,0	24,5	51	29,5	-	-	-	-	-	-	-	19,6	3,6	4,4
	CD2S350	12,6	7,3	15,1	8,7	-	-	-	-	5,8	55,0	32,0	66,0	38,5	-	-	-	-	-	-	-	25,5	4,2	5,1
	CD2S360	12,9	7,5	15,5	8,9	-	-	-	-	6,0	59,0	34,0	71,0	41,0	-	-	-	-	-	-	-	27,0	4,4	5,3
CD2S4	CD2S550	25,0	14,5	30,0	17,4	14,5	-	-	-	11,6	109,0	63,0	131,0	76,0	63,0	-	-	-	-	-	-	50,4	8,7	10,5
	CD2S750	34,0	19,5	41,0	23,5	19,5	-	-	-	15,6	149,0	86,0	179,0	103,0	86,0	-	-	-	-	-	-	68,8	11,4	13,7
	CD2S900	40,0	23,0	48,0	27,5	23,0	-	-	-	18,4	159,0	92,0	191,0	110,0	92,0	-	-	-	-	-	-	73,6	13,8	16,6
CD2S400	CD2S1200	48,0	28,0	58,0	33,5	28,0	48,0	58,0	33,5	22,5	233,0	135,0	280,0	162,0	135,0	233,0	280,0	162,0	108,0	16,8	20,2			
	CD2S1500	59,0	34,0	71,0	41,0	34,0	59,0	71,0	41,0	27,0	295,0	171,0	354,0	205,0	171,0	295,0	354,0	205,0	136,0	19,5	23,4			
	CD2S2000	66,0	38,0	79,0	45,5	38,0	66,0	79,0	45,5	30,5	306,0	177,0	367,0	212,0	177,0	306,0	367,0	212,0	142,0	22,7	27,2			
	CD2S2500	78,0	45,0	93,0	54,0	45,0	78,0	93,0	54,0	36,0	351,0	203,0	421,0	244,0	203,0	351,0	421,0	244,0	162,0	26,6	31,9			
	CD2S3000	97,0	56,0	116,0	67,0	56,0	97,0	116,0	67,0	45,0	424,0	245,0	509,0	294,0	245,0	424,0	509,0	294,0	196,0	33,4	40,1			
	CD2S3500	130,0	75,0	156,0	90,0	75,0	130,0	156,0	90,0	60,0	450,0	260,0	540,0	312,0	260,0	450,0	540,0	312,0	208,0	44,9	53,9			

Standard version of the motor / contact our technical service for operating conditions not present in the catalog
表上黄色为标准电机。

* The current value refers to the direct connection.
带*号为直接连接电流

Electric Motor FLA (Full Load Ampere)

最大工作电流 (满载电流)

RANGE 系列	MODEL 型号	DISPLACEMENT 排量		MAX OPERATING CURRENT 最大工作电流 V / ph / Hz [A]												MAX ABSORBED POWER 最大输入功率	
		50 Hz	60 Hz	220-240/1/50	208-230/1/60	220-240/3/50 265-290/3/60 D	380-420/3/50 440-480/3/60 Y	208-230/3/60 D	360-400/3/60 Y	200/3/50-60 D	380-420/3/50 440-480/3/60 PWS	200-240/3/50 PWS	208-230/3/60 PWS	360-400/3/60 PWS	475-525/3/50 550-600/3/60	50 Hz [kW]	60 Hz [kW]
		[m3/h]	[m3/h]														
CDO	CD0 08-0.8M	0,86	1,03	-	-	4,2	2,4	5,0	2,9	-	-	-	-	-	1,9	1,3	1,6
	CD0 10-0.8H	0,86	1,03	-	-	5,0	2,9	6,0	3,5	-	-	-	-	-	2,3	1,6	1,9
	CD0 15-1.1M	1,12	1,35	-	-	5,9	3,4	7,1	4,1	-	-	-	-	-	2,7	2,0	2,4
	CD0 18-1.1H	1,12	1,35	-	-	7,6	4,4	9,1	5,3	-	-	-	-	-	3,5	2,6	3,2
	CD0 18-1.5M	1,46	1,76	-	-	7,6	4,4	9,1	5,3	-	-	-	-	-	3,5	2,6	3,2
	CD0 30-1.5H	1,46	1,76	-	-	10,4	6,0	12,5	7,2	-	-	-	-	-	4,8	3,6	4,4
	CD0 30-1.9M	1,88	2,25	-	-	10,4	6,0	12,5	7,2	-	-	-	-	-	4,8	3,6	4,4
	CD0 35-1.9H	1,88	2,25	-	-	12,6	7,3	15,1	8,7	-	-	-	-	-	5,8	4,2	5,1
	CD0 35-2.4M	2,36	2,83	-	-	12,6	7,3	15,1	8,7	-	-	-	-	-	5,8	4,2	5,1
	CD0 36-2.4H	2,36	2,83	-	-	12,9	7,5	15,5	8,9	-	-	-	-	-	6,0	4,4	5,3
	CD0 36-3.0M	2,89	3,47	-	-	12,9	7,5	15,5	8,9	-	-	-	-	-	6,0	4,4	5,3
CD0 38-3.0H	2,89	3,47	-	-	16,2	9,4	19,4	11,2	-	-	-	-	-	7,5	5,5	6,6	
CD200	CD150M	1,12	1,35	-	-	5,9	3,4	7,1	4,1	-	-	-	-	-	2,7	2,0	2,4
	CD 180H	1,12	1,35	-	-	7,6	4,4	9,1	5,3	-	-	-	-	-	3,5	2,6	3,2
	CD 180M	1,46	1,76	-	-	7,6	4,4	9,1	5,3	-	-	-	-	-	3,5	2,6	3,2
	CD 300H	1,46	1,76	-	-	10,4	6,0	12,5	7,2	-	-	-	-	-	4,8	3,6	4,4
	CD 300M	1,88	2,25	-	-	10,4	6,0	12,5	7,2	-	-	-	-	-	4,8	3,6	4,4
	CD 350H	1,88	2,25	-	-	12,6	7,3	15,1	8,7	-	-	-	-	-	5,8	4,2	5,1
	CD 350M	2,39	2,87	-	-	12,6	7,3	15,1	8,7	-	-	-	-	-	5,8	4,2	5,1
	CD 360H	2,39	2,87	-	-	16,2	9,4	19,4	11,2	-	-	-	-	-	7,5	5,5	6,6
	CD 360M	3	3,6	-	-	12,9	7,5	15,5	8,9	-	-	-	-	-	6,0	4,4	5,3
	CD 380H	3	3,6	-	-	16,2	9,4	19,4	11,2	-	-	-	-	-	7,5	5,5	6,6
CD4	CD4 55-4,7M	4,67	5,6	-	-	25,0	14,5	30,0	17,4	-	14,5	-	-	-	11,6	8,7	10,5
	CD4 75-4,7H	4,67	5,6	-	-	34,0	19,5	41,0	23,5	-	19,5	-	-	-	15,6	11,4	13,7
	CD4 75-6,4M	6,4	7,68	-	-	34,0	19,5	41,0	23,5	-	19,5	-	-	-	15,6	11,4	13,7
	CD4 90-6,4H	6,4	7,68	-	-	40,0	23,0	48,0	27,5	-	23,0	-	-	-	18,4	13,8	16,6
	CD4 75-7,3M	7,28	8,74	-	-	34,0	19,5	41,0	23,5	-	19,5	-	-	-	15,6	11,4	13,7
	CD4 90-7,3H	7,28	8,74	-	-	40,0	23,0	48,0	27,5	-	23,0	-	-	-	18,4	13,8	16,6
	CD4 90-9,2M	9,21	11,05	-	-	40,0	23,0	48,0	27,5	-	23,0	-	-	-	18,4	13,8	16,6
	CD4 120-9,2H	9,21	11,05	-	-	41,5	24,0	50,0	28,8	-	24,0	-	-	-	19,2	14,5	17,4
	CD4 55-9,2B	9,21	11,05	-	-	25,0	14,5	30,0	17,4	-	14,5	-	-	-	11,6	8,7	10,5
	CD4 55-10B	10,26	12,31	-	-	25,0	14,5	30,0	17,4	-	14,5	-	-	-	11,6	8,7	10,5
	CD4 75-12B	12,54	15,04	-	-	34,0	19,5	41,0	23,5	-	19,5	-	-	-	15,6	11,4	13,7
	CD4 90-15B	15,04	18,04	-	-	40,0	23,0	48,0	27,5	-	23,0	-	-	-	18,4	13,8	16,6
	CD4 120-18B	18,51	22,21	-	-	41,5	24,0	50,0	28,8	-	24,0	-	-	-	19,2	14,5	17,4

Electric Motor FLA (Full Load Ampere)

最大工作电流 (满载电流)

RANGE 系列	MODEL 型号	DISPLACEMENT 排量		MAX OPERATING CURRENT 最大工作电流 V / ph / Hz [A]													MAX ABSORBED POWER 最大输入功率	
		50 Hz	60 Hz	220-240 / 1 / 50	208-230 / 1 / 60	220-240 / 3 / 50 265-290 / 3 / 60 D	380-420 / 3 / 50 440-480 / 3 / 60 Y	208-230 / 3 / 60 D	360-400 / 3 / 60 Y	200 / 3 / 50-60 D	380-420 / 3 / 50 440-480 / 3 / 60 PWS	200-240 / 3 / 50 PWS	208-230 / 3 / 60 PWS	360-400 / 3 / 60 PWS	475-525 / 3 / 50 570-630 / 3 / 60	50 Hz [kW]	60 Hz [kW]	
		[m3/h]	[m3/h]															
CD400	CD 1200M	9,48	11,37	-	-	48,5	28	58	33,5	-	28	48,5	58	33,5	22,5	16,8	20,2	
	CD 1400H	9,48	11,37	-	-	59	34	71	41	-	34	59	71	41	27	19,5	23,4	
	CD 1500M	11,69	14,03	-	-	59	34	71	41	-	34	59	71	41	27	19,5	23,4	
	CD 2000H	11,69	14,03	-	-	66	38	79	45,5	-	38	66	79	45,5	30,5	22,7	27,2	
	CD 1200B	13,84	16,61	-	-	48,5	28	58	33,5	-	28	48,5	58	33,5	22,5	16,8	20,2	
	CD 2000M	13,84	16,61	-	-	66	38	79	45,5	-	38	66	79	45,5	30,5	22,7	27,2	
	CD 2400H	13,84	16,61	-	-	78	45	93	54	-	45	78	93	54	36	26,6	31,9	
	CD 1500B	15,72	18,86	-	-	59	34	71	41	-	34	59	71	41	27	19,5	23,4	
	CD 2500H	15,72	18,86	-	-	78	45	93	54	-	45	78	93	54	36	26,6	31,9	
	CD 2500M	17,84	21,41	-	-	78	45	93	54	-	45	78	93	54	36	26,6	31,9	
	CD 3000H	17,84	21,41	-	-	97	56	116	67	-	56	97	116	67	45	33,4	40,1	
	CD 2001B	20,15	24,18	-	-	66	38	79	45,5	-	38	66	79	45,5	30,5	22,7	27,2	
	CD 3001M	20,15	24,18	-	-	97	56	116	67	-	56	97	116	67	45	33,4	40,1	
	CD 3401H	20,15	24,18	-	-	130	75	156	90	-	75	130	156	90	60	44,9	53,9	
	CD 2501B	23,3	27,96	-	-	78	45	93	54	-	45	78	93	54	36	26,6	31,9	
	CD 3501H	23,3	27,96	-	-	130	75	156	90	-	75	130	156	90	60	44,9	53,9	
	CD 3001B	26,45	31,74	-	-	97	56	116	67	-	56	97	116	67	45	33,4	40,1	
	CD 3501M	26,45	31,74	-	-	130	75	156	90	-	75	130	156	90	60	44,9	53,9	
	CD 4501H	26,45	31,74	-	-	139	80	166	96	-	80	139	166	96	64	48,4	58,1	
	CD 3501B	31,04	37,25	-	-	130	75	156	90	-	75	130	156	90	60	44,9	53,9	
CD 5001M	31,04	37,25	-	-	161	93	193	112	-	93	161	193	112	74	56,6	67,9		
CD 4001B	35,47	42,56	-	-	139	80	166	96	-	80	139	166	96	64	48,4	58,1		
CD 5201M	35,47	42,56	-	-	161	93	193	112	-	93	161	193	112	74	56,6	67,9		
CD600	CD6 501-40B	39,85	47,82	-	-	156	90	187	108	-	90	156	187	108	72	52,4	62,9	
	CD6 601-40M	39,85	47,82	-	-	182	105	218	126	-	105	182	218	126	84	62,0	74,4	
	CD6 701-40H	39,85	47,82	-	-	208	120	249	144	-	120	208	249	144	96	73,0	87,6	
	CD6 501-45B	45,34	54,41	-	-	156	90	187	108	-	90	156	187	108	72	52,4	62,9	
	CD6 701-45M	45,34	54,41	-	-	208	120	249	144	-	120	208	249	144	96	73,0	87,6	
	CD6 801-45H	45,34	54,41	-	-	256	148	308	178	-	148	256	308	178	118	83,0	99,6	
	CD6 501-53B	53,21	63,85	-	-	156	90	187	108	-	90	156	187	108	72	52,4	62,9	
	CD6 801-53M	53,21	63,85	-	-	256	148	308	178	-	148	256	308	178	118	83,0	99,6	
	CD6 901-53H	53,21	63,85	-	-	294	170	353	204	-	170	294	353	204	136	99,2	119,0	
	CD6 1200-58H	57,65	69,18	-	-	320	185	385	222	-	185	320	385	222	148	123,0	147,6	
	CD6 601-59B	59,53	71,44	-	-	182	105	218	126	-	105	182	218	126	84	62,0	74,4	
	CD6 901-59M	59,53	71,44	-	-	294	170	353	204	-	170	294	353	204	136	99,2	119,0	
	CD6 701-65B	64,49	77,39	-	-	208	120	249	144	-	120	208	249	144	96	73,0	87,6	
	CD6 1200-65M	64,49	77,39	-	-	320	185	385	222	-	185	320	385	222	148	123,0	147,6	
	CD6 1400-65H	64,49	77,39	-	-	364	210	436	252	-	210	364	436	252	168	124,7	149,6	
	CD6 1400-72M	71,72	86,06	-	-	364	210	436	252	-	210	364	436	252	168	124,7	149,6	
	CD6 1600-72H	71,72	86,06	-	-	398	230	478	276	-	230	398	478	276	184	192,5	231,0	
	CD6 801-82B	81,95	98,34	-	-	256	148	308	178	-	148	256	308	178	118	83,0	99,6	
	CD6 901-99B	98,58	118,3	-	-	294	170	353	204	-	170	294	353	204	136	99,2	119,0	

Standard version of the motor / contact our technical service for operating conditions not present in the catalog
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Electric Motor LRA (Locked Rotor Ampere)

锁定转子电流 (堵转电流)

RANGE 系列	MODEL 型号	DISPLACEMENT 排量		LOCKED ROTOR CURRENT 锁定转子电流											
		50 Hz	60 Hz	V / ph / Hz											
		[m3/h]	[m3/h]	[A]											
				220-240/1/50	208-230/1/60	220-240/3/50 265-290/3/60	380-420/3/50 440-480/3/60	208-230/3/60	360-400/3/60	200/3/50-60	380-420/3/50 440-480/3/60	200-240/3/50	208-230/3/60	360-400/3/60	475-525/3/50 550-600/3/60
						D	Y	D	Y	D	PWS*	PWS*	PWS*	PWS*	
CD0	CD0 08-0.8M	0,86	1,03	-	-	19,2	11,1	23,1	13,3	-	-	-	-	-	8,9
	CD0 10-0.8H	0,86	1,03	-	-	23,9	13,8	28,7	16,6	-	-	-	-	-	11,0
	CD0 15-1.1M	1,12	1,35	-	-	27,0	15,5	32,5	18,7	-	-	-	-	-	12,4
	CD0 18-1.1H	1,12	1,35	-	-	35,0	20,0	41,5	24,0	-	-	-	-	-	16,0
	CD0 18-1.5M	1,46	1,76	-	-	35,0	20,0	41,5	24,0	-	-	-	-	-	16,0
	CD0 30-1.5H	1,46	1,76	-	-	42,0	24,5	51,0	29,5	-	-	-	-	-	19,6
	CD0 30-1.9M	1,88	2,25	-	-	42,0	24,5	51,0	29,5	-	-	-	-	-	19,6
	CD0 35-1.9H	1,88	2,25	-	-	55,0	32,0	66,0	38,5	-	-	-	-	-	25,5
	CD0 35-2.4M	2,36	2,83	-	-	55,0	32,0	66,0	38,5	-	-	-	-	-	25,5
	CD0 36-2.4H	2,36	2,83	-	-	59,0	34,0	71,0	41,0	-	-	-	-	-	27,0
	CD0 36-3.0M	2,89	3,47	-	-	59,0	34,0	71,0	41,0	-	-	-	-	-	27,0
	CD0 38-3.0H	2,89	3,47	-	-	76,0	43,5	91,0	52,0	-	-	-	-	-	35,0
CD200	CD150M	1,12	1,35	-	-	27,0	15,5	32,5	18,7	-	-	-	-	-	12,4
	CD 180H	1,12	1,35	-	-	35,0	20,0	41,5	24,0	-	-	-	-	-	16,0
	CD 180M	1,46	1,76	-	-	35,0	20,0	41,5	24,0	-	-	-	-	-	16,0
	CD 300H	1,46	1,76	-	-	42,0	24,5	51,0	29,5	-	-	-	-	-	19,6
	CD 300M	1,88	2,25	-	-	42,0	24,5	51,0	29,5	-	-	-	-	-	19,6
	CD 350H	1,88	2,25	-	-	55,0	32,0	66,0	38,5	-	-	-	-	-	25,5
	CD 350M	2,39	2,87	-	-	55,0	32,0	66,0	38,5	-	-	-	-	-	25,5
	CD 360H	2,39	2,87	-	-	76,0	43,5	91,0	52,0	-	-	-	-	-	35,0
	CD 360M	3	3,6	-	-	59,0	34,0	71,0	41,0	-	-	-	-	-	27,0
	CD 380H	3	3,6	-	-	76,0	43,5	91,0	52,0	-	-	-	-	-	35,0
CD4	CD4 55-4,7M	4,67	5,6	-	-	109,0	63,0	131,0	76,0	-	63,0	-	-	-	50,0
	CD4 75-4,7H	4,67	5,6	-	-	149,0	86,0	179,0	103,0	-	86,0	-	-	-	69,0
	CD4 75-6,4M	6,4	7,68	-	-	149,0	86,0	179,0	103,0	-	86,0	-	-	-	69,0
	CD4 90-6,4H	6,4	7,68	-	-	159,0	92,0	191,0	110,0	-	92,0	-	-	-	74,0
	CD4 75-7,3M	7,28	8,74	-	-	149,0	86,0	179,0	103,0	-	86,0	-	-	-	69,0
	CD4 90-7,3H	7,28	8,74	-	-	159,0	92,0	191,0	110,0	-	92,0	-	-	-	74,0
	CD4 90-9,2M	9,21	11,05	-	-	159,0	92,0	191,0	110,0	-	92,0	-	-	-	74,0
	CD4 120-9,2H	9,21	11,05	-	-	189,0	109,0	226,0	190,0	-	109,0	-	-	-	87,0
	CD4 55-9,2B	9,21	11,05	-	-	109,0	63,0	131,0	76,0	-	63,0	-	-	-	50,0
	CD4 55-10B	10,26	12,31	-	-	109,0	63,0	131,0	76,0	-	63,0	-	-	-	50,0
	CD4 75-12B	12,54	15,04	-	-	149,0	86,0	179,0	103,0	-	86,0	-	-	-	69,0
	CD4 90-15B	15,04	18,04	-	-	159,0	92,0	191	110	-	92	-	-	-	74
	CD4 120-18B	18,51	22,21	-	-	189,0	109,0	226,0	190,0	-	109,0	-	-	-	87,0

Electric Motor LRA (Locked Rotor Ampere)

锁定转子电流 (堵转电流)

RANGE 系列	MODEL 型号	DISPLACEMENT 排量		LOCKED ROTOR CURRENT 锁定转子电流 V / ph / Hz [A]											
		50 Hz	60 Hz	220-240 / 1 / 50	208-230 / 1 / 60	220-240 / 3 / 50 265-290 / 3 / 60 D	380-420 / 3 / 50 440-480 / 3 / 60 Y	208-230 / 3 / 60 D	360-400 / 3 / 60 Y	200 / 3 / 50-60 D	380-420 / 3 / 50 440-480 / 3 / 60 PW5*	200-240 / 3 / 50 PW5*	208-230 / 3 / 60 PW5*	360-400 / 3 / 60 PW5*	475-525 / 3 / 50 550-600 / 3 / 60
		[m3/h]	[m3/h]												
CD400	CD 1200M	9,48	11,37	-	-	233	135	280	162	-	135	233	280	162	108
	CD 1400H	9,48	11,37	-	-	295	171	354	205	-	171	295	354	205	136
	CD 1500M	11,69	14,03	-	-	295	171	354	205	-	171	295	354	205	136
	CD 2000H	11,69	14,03	-	-	306	177	367	212	-	177	306	367	212	142
	CD 1200B	13,84	16,61	-	-	233	135	280	162	-	135	233	280	162	108
	CD 2000M	13,84	16,61	-	-	306	177	367	212	-	177	306	367	212	142
	CD 2400H	13,84	16,61	-	-	351	203	421	244	-	203	351	421	244	162
	CD 1500B	15,72	18,86	-	-	295	171	354	205	-	171	295	354	205	136
	CD 2500H	15,72	18,86	-	-	351	203	421	244	-	203	351	421	244	162
	CD 2500M	17,84	21,41	-	-	351	203	421	244	-	203	351	421	244	162
	CD 3000H	17,84	21,41	-	-	424	245	509	294	-	245	424	509	294	196
	CD 2001B	20,15	24,18	-	-	306	177	367	212	-	177	306	367	212	142
	CD 3001M	20,15	24,18	-	-	424	245	509	294	-	245	424	509	294	196
	CD 3401H	20,15	24,18	-	-	450	260	540	312	-	260	450	540	312	208
	CD 2501B	23,3	27,96	-	-	351	203	421	244	-	203	351	421	244	162
	CD 3501H	23,3	27,96	-	-	450	260	540	312	-	260	450	540	312	208
	CD 3001B	26,45	31,74	-	-	424	245	509	294	-	245	424	509	294	196
	CD 3501M	26,45	31,74	-	-	450	260	540	312	-	260	450	540	312	208
	CD 4501H	26,45	31,74	-	-	559	323	671	388	-	323	559	671	388	258
	CD 3501B	31,04	37,25	-	-	450	260	540	312	-	260	450	540	312	208
CD 5001M	31,04	37,25	-	-	559	323	671	388	-	323	559	671	388	258	
CD 4001B	35,47	42,56	-	-	502	290	602	348	-	290	502	602	348	232	
CD 5201M	35,47	42,56	-	-	559	323	671	388	-	323	559	671	388	258	
CD600	CD6 501-40B	39,85	47,82	-	-	636	367	763	440	-	367	636	763	440	294
	CD6 601-40M	39,85	47,82	-	-	788	455	946	546	-	455	788	946	546	364
	CD6 701-40H	39,85	47,82	-	-	942	544	1131	653	-	544	942	1131	653	435
	CD6 501-45B	45,34	54,41	-	-	636	367	763	440	-	367	636	763	440	294
	CD6 701-45M	45,34	54,41	-	-	942	544	1131	653	-	544	942	1131	653	435
	CD6 801-45H	45,34	54,41	-	-	1012	584	1214	701	-	584	1012	1214	701	467
	CD6 501-53B	53,21	63,85	-	-	636	367	763	440	-	367	636	763	440	294
	CD6 801-53M	53,21	63,85	-	-	1012	584	1214	701	-	584	1012	1214	701	467
	CD6 901-53H	53,21	63,85	-	-	1143	660	1372	792	-	660	1143	1372	792	528
	CD6 1200-58H	57,65	69,18	-	-	1524	880	1829	1056	-	880	1524	1829	1056	704
	CD6 601-59B	59,53	71,44	-	-	788	455	946	546	-	455	788	946	546	364
	CD6 901-59M	59,53	71,44	-	-	1143	660	1372	792	-	660	1143	1372	792	528
	CD6 701-65B	64,49	77,39	-	-	942	544	1131	653	-	544	942	1131	653	435
	CD6 1200-65M	64,49	77,39	-	-	1524	880	1829	1056	-	880	1524	1829	1056	704
	CD6 1400-65H	64,49	77,39	-	-	1871	1080	2245	1296	-	1080	1871	2245	1296	864
	CD6 1400-72M	71,72	86,06	-	-	1871	1080	2245	1296	-	1080	1871	2245	1296	864
	CD6 1600-72H	71,72	86,06	-	-	2044	1180	2453	1416	-	1180	1871	2245	1296	864
	CD6 801-82B	81,95	98,34	-	-	1012	584	1214	701	-	584	1012	1214	701	467
	CD6 901-99B	98,58	118,3	-	-	1143	660	1372	792	-	660	1143	1372	792	528

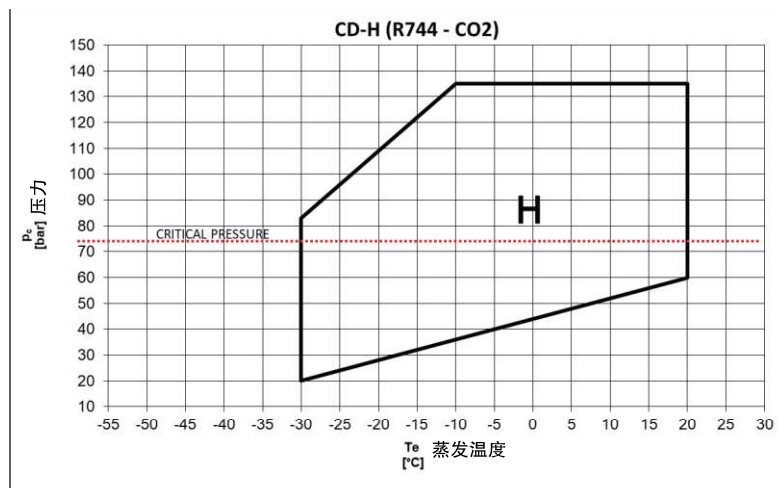
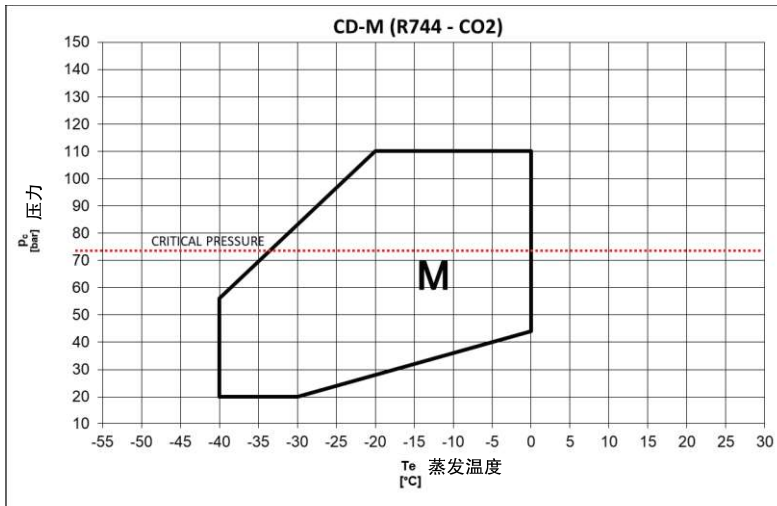
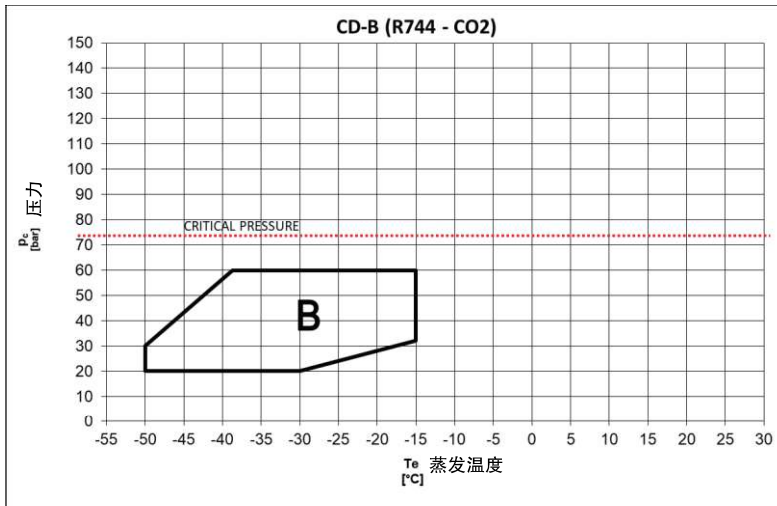
Standard version of the motor / contact our technical service for operating conditions not present in the catalog
 表上黄色为标准电机。

* The current value refers to the direct connection.

带 * 号为直接连接电流

Application Envelope

应用包络线



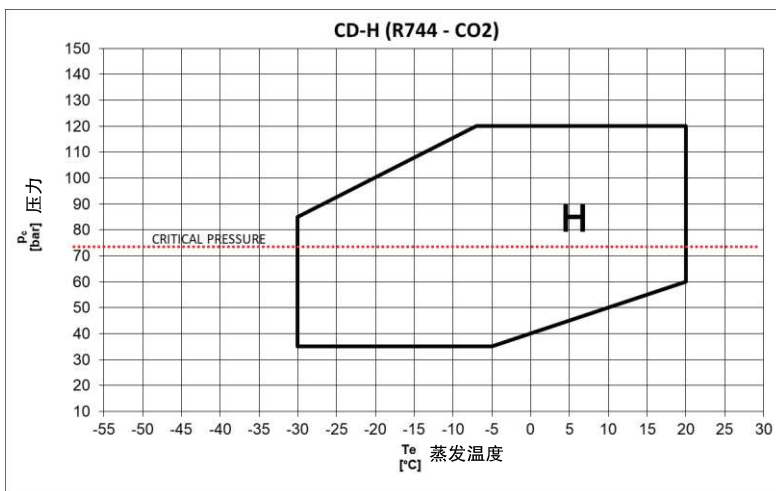
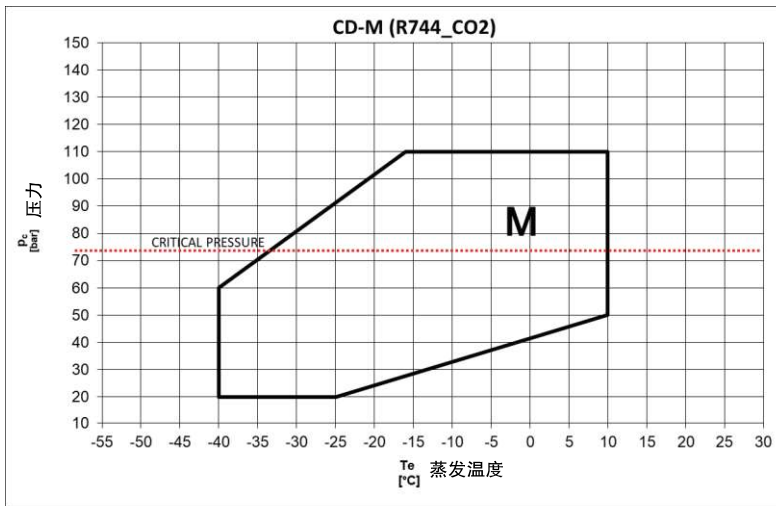
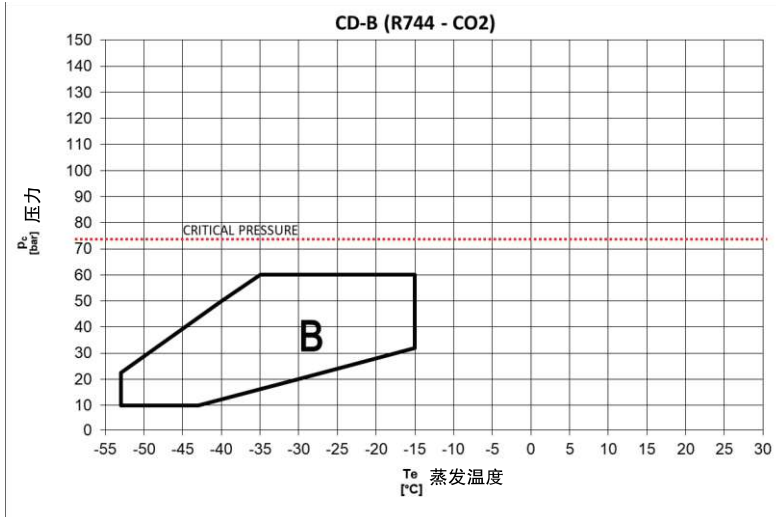
CD0 - CD200
CD4 - CD400

The application envelope changes with the compressor model and is available for every model in the DORIN web software
应用包络线随压缩机型号变化并且可以在都凌选型软件查到

Compressors application envelopes valid for superheat values lower than 10K / For evaporating temperatures > 10°C use PAG68 oil
应用包络线内过热度低于10K

Application Envelope

应用包络线



CD600

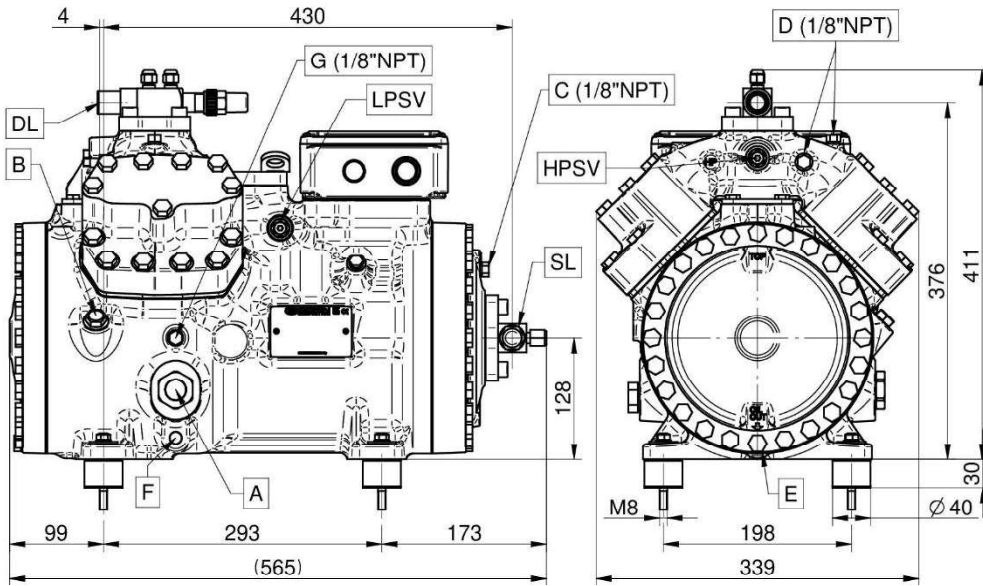
The application envelope changes with the compressor model and is available for every model in the DORIN web software
应用包络线随压缩机型号变化并且可以在都凌选型软件查到

Compressors application envelopes valid for superheat values lower than 10K / For evaporating temperatures > 10°C use PAG68 oil
应用包络线内过热度低于10K

Technical Drawings

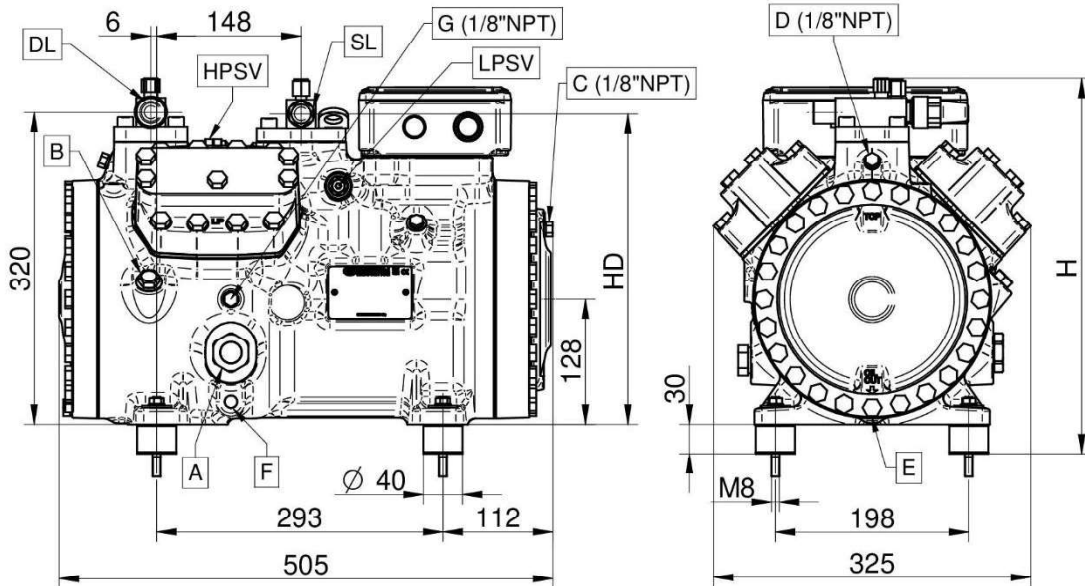
外形尺寸

CD4



MODEL 型号
CD4 55-4,7M
CD4 75-4,7H
CD4 75-6,4M
CD4 90-6,4H
CD4 75-7,3M
CD4 90-7,3H
CD4 90-9,2M
CD4 120-9,2H

CD4



MODEL 型号	H	HD
	[mm]	[mm]
CD4 55-9,2B	385	318
CD4 55-10B	385	318
CD4 75-12B	387	321
CD4 90-15B	387	321
CD4 120-18B	387	321

A - Oil sight - 油视镜

B - Oil charge plug - 注油塞

C - Low pressure tap - 低压旋塞

D - High pressure tap - 高压旋塞

E - Oil drain plug/Oil filter - 排油塞/滤油器

F - Crankcase heater - 曲轴箱加热器

G - Oil return - 回油

DL - Discharge service valve - 排气阀

SL - Suction service valve - 吸气阀

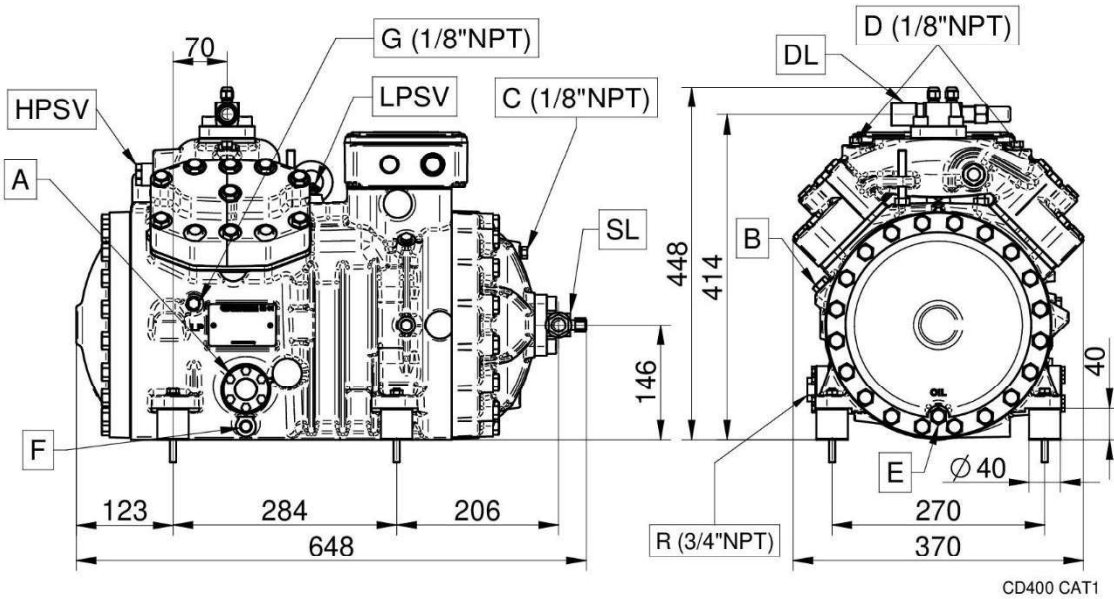
LPSV - Low pressure safety valve - 低压安全阀

HPSV - High pressure safety valve - 高压安全阀

Technical Drawings

外形尺寸

CD400

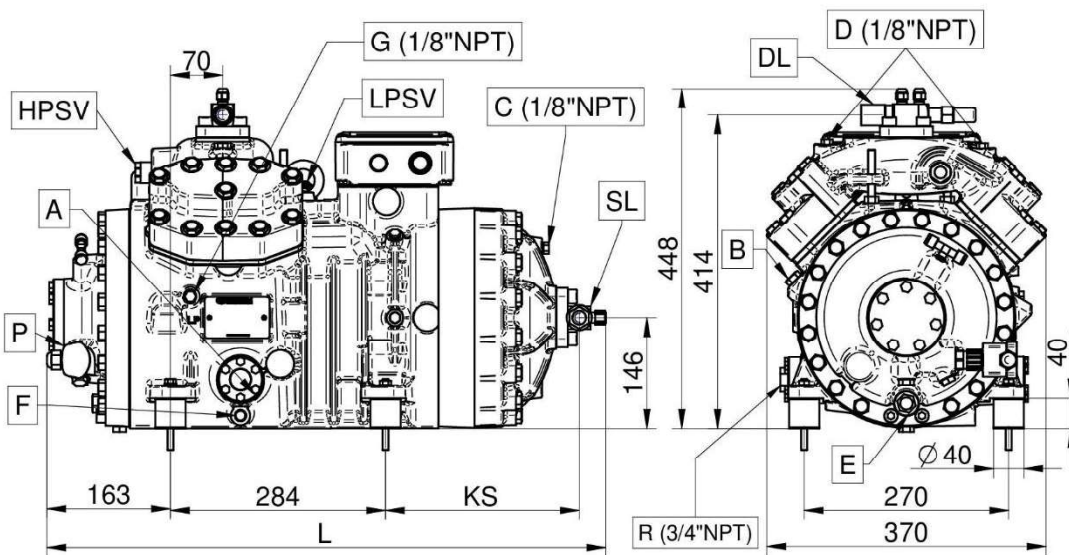


MODEL 型号	Fig.
CD 1200M	1
CD 1400H	1
CD 1500M *	1-2*
CD 2000H *	1-2*
CD 1200B *	1-2*
CD 2000M *	1-2*
CD 2400H *	1-2*
CD 1500B *	1-2*
CD 2500H *	1-2*

Figure/Figura 1

For the models with *, if equipped with oil pump (accessory on request) see for dimensions figure 2 (with L = 688 mm)

Per i modelli con *, se dotati di pompa olio (accessorio a richiesta), vedere per le dimensioni la figura 2 (con L=688 mm)



MODEL 型号	Fig.	L [mm]	KS [mm]
CD 2500M	2	688	206
CD 3000H	2	738	256
CD 2001B	2	688	206
CD 3001M	2	738	256
CD 3401H	2	738	256
CD 2501B	2	688	206
CD 3501H	2	738	256
CD 3001B	2	738	256
CD 3501M	2	738	256
CD 4501H	2	780	298
CD 3501B	2	743	259
CD 5001M	2	785	301
CD 4001B	2	785	301
CD 5201M	2	785	301

Figure/Figura 2

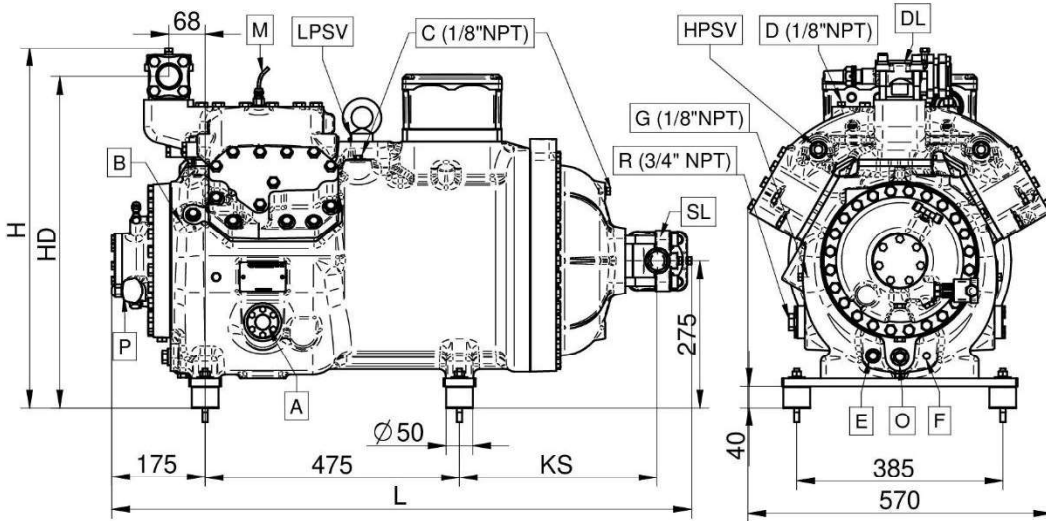
- A**-Oil sight - 油视镜
- B**-Oil charge plug - 注油塞
- C**-Low pressure tap - 低压旋塞
- D**-High pressure tap - 高压旋塞
- E**-Oil drain plug - 排油塞
- F**-Crankcase heater - 曲轴箱加热器

- G**-Oil return - 回油口
- R**-Oil level connection - 油平衡连接
- DL**-Discharge service valve - 排气阀
- SL**-Suction service valve - 吸气阀
- LPSV**-Low pressure safety valve - 低压安全阀
- HPSV**-High pressure safety valve - 高压安全阀

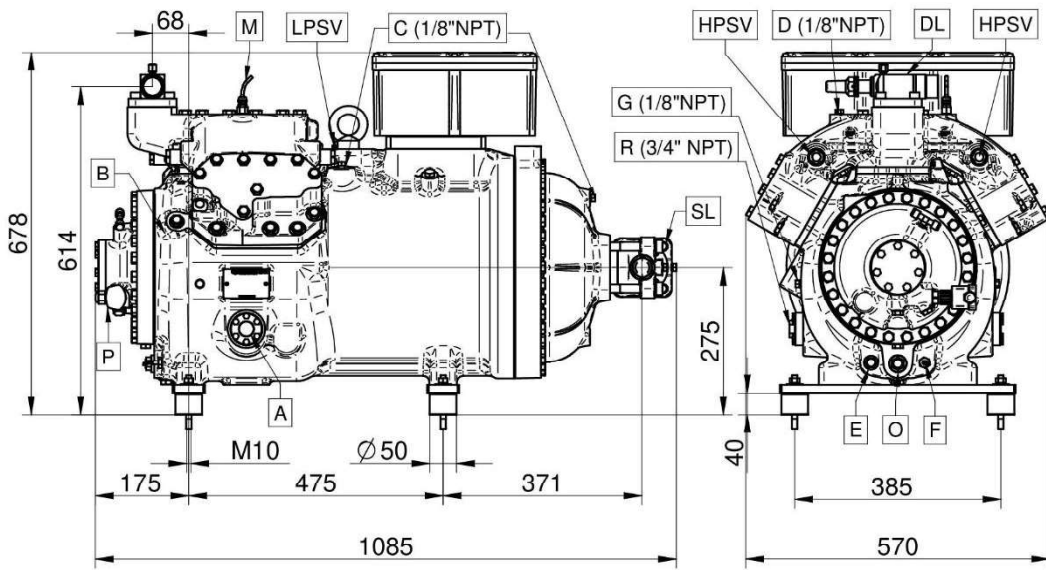
Technical Drawings

外形尺寸

CD600



MODEL 型号	L [mm]	KS [mm]	H [mm]	HD [mm]
CD6 501-40B	1056	353	647	609
CD6 601-40M	1056	353	647	609
CD6 701-40H	1056	353	647	609
CD6 501-45B	1056	353	647	609
CD6 701-45M	1056	353	647	609
CD6 801-45H	1056	353	647	609
CD6 501-53B	1056	353	647	609
CD6 801-53M	1056	353	647	609
CD6 901-53H	1056	353	647	609
CD6 601-59B	1056	353	647	609
CD6 901-59M	1056	353	647	609
CD6 701-65B	1086	370	655	614
CD6 801-82B	1086	370	655	614
CD6 901-99B	1086	370	671	618



MODEL 型号
CD6 1200-58H
CD6 1200-65M
CD6 1400-65H
CD6 1400-72M
CD6 1600-72H

- A - Oil sight - 油视镜
- B - Oil charge plug - 注油塞
- C - Low pressure tap - 低压旋塞
- D - High pressure tap - 高压旋塞
- E - Oil drain plug - 排油塞
- F - Crankcase heater - 曲轴箱加热器
- M - Maximum discharge temperature sensor - 最大排气温度传感器

- G - Oil return - 回油口
- O - Oil filter - 滤油器
- P - Oil pressure switch - 油压差开关
- R - Oil level connection - 油平衡连接
- DL - Discharge service valve - 排气阀
- SL - Suction service valve - 吸气阀
- LPSV - Low pressure safety valve - 低压安全阀
- HPSV - High pressure safety valve - 高压安全阀



DORIN WEB SOFTWARE

Open the camera app on your device and point it at the QR code to scan it. Make sure that all the four corners of the QR code are in view. A pop-up notification will appear on your screen, tap the notifications to launch the code.

Dorin都凌在线选型软件
扫描二维码，即可在线选型。



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